

ABSTRACT OF THE INVENTION

A cavity is provided at a bend in a cooling passage near a bore bridge region between cylinders of an internal combustion engine. The cavity can be provided
5 with a downstream protuberance which induces a portion of the stream of coolant within the cooling passage to join a vortical flow of coolant within the cavity. An upstream protuberance can be provided to align a portion of the vortical flow within the cavity with the stream of coolant within the cooling passage in order to facilitate the return of the vortical flow back into the stream of coolant within the
10 cooling passage.